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Frank C. Turner, Reg. No. 39,863
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Signature

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

JAMES F. STEVENS, et al.

GROUP ART UNIT

Serial No. 10/827,189

EXAMINER:

Filed: April 19, 2004
For: REFORMING WITH HYDRATION
OF CARBON DIOXIDE FIXING
MATERIAL

INFORMATION DISCLOSURE STATEMENT

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Sir:

This Information Disclosure Statement is submitted pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, particularly 1.97(b). The documents listed on the attached Form PTO/SB/08a are brought to the Examiner's attention. Copies of these documents are enclosed.

In the event a first Office Action on the merits has been mailed by the Patent Office before receipt of this Information Disclosure Statement, the Patent Office is authorized to charge the fee under 37 CFR §§ 1.17(p) for this Information Disclosure Statement to Deposit Account No. 03-1620. A duplicate copy of this paper is enclosed for deposit account use, if needed.

Respectfully submitted,



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 2

Complete if Known

Application Number	10/827,189
Filing Date	April 19, 2004
First Named Inventor	James F. Stevens, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	X-0137

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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Attorney Docket Number

X-0137

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Alpay et al., "Combined Reaction and Separation in Pressure Swing Processes," <i>Chemical Engineering Science</i> , Vol. 49, No. 24B, pp 5845-5864	
	CB	Berty et al., "Beat the equilibrium," <i>Chemtech</i> , October 1990, pp 624-629	
	CC	Carvill et al., "Sorption-enhanced reaction process," <i>AIChE Journal</i> , Oct. 1996, Vol. 42, No. 10, pp 2765-2772	
	CD	Han et al., "Simultaneous shift reaction and carbon dioxide separation for the direct production of hydrogen," <i>Chemical Engineering Science</i> , Vol. 49, No. 24B, pp 5875-5883 (1995)	
	CE	Hufton et al., "Sorption-enhanced reaction process for hydrogen production," <i>AIChE Journal</i> , Feb. 1999, Vol. 45, No. 2, pp 248-256	
	CF	Kuramoto et al., "Repetitive carbonation-calcination reactions of Ca-based sorbents for efficient CO ₂ sorption at elevated temperatures," <i>Ind. Eng. Chem. Res.</i> , 2003, Vol. 42, pp 975-981	
	CG	Lin et al., "Hydrogen production from hydrocarbon by integration of water-carbon reaction and carbon dioxide removal (HyPr-RING Method)," <i>Energy and Fuels</i> , 2001, Vol. 15, pp 339-343	
	CH	Rizeq et al., "Fuel-flexible gasification-combustion technology for production of H ₂ and sequestration-ready CO ₂ ," Annual Technical Progress Report 2002, October 2002, DOE Award No. DE-FC26-00FT40974, General Electric and Environmental Research Corporation	
	CI	Silaban et al., "High temperature capture of carbon dioxide: characteristics of the reversible reaction between CaO(s) and CO ₂ (g)," <i>Chem. Eng. Comm.</i> , 1995, Vol. 137, pp 177-190	

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Considered

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